

1293

**INVENTORY OF DOE FACILITIES TO BE  
DECOMMISSIONED**

**06/05/91**

**DOE-1465-91**

**DOE-FSO**

**7**

**MEMO**

United States Government

1293  
Department of Energy

Fernald Site Office

# memorandum

DATE: JUN 0 5 1991

DOE-1465-91

REPLY TO:  
ATTN OF: FSO:Janke


SUBJECT: INVENTORY OF DOE FACILITIES TO BE DECOMMISSIONED

TO: R. P. Whitfield, EM-40, FORS

This memorandum transmits the requested information for Phase I of your study, based on available information to date. Activities are currently underway to obtain information for the second phase.

This document transmits the best available inventory and estimate of D&D, which is consistent with other recently published budgetary figures. Since the Fernald Site is an NPL site and Consent Agreement and Consent Decree are in effect between DOE and the U.S.EPA and OEPA, respectively, the remedial plan could be altered. Any alteration would likely affect the cost and schedule utilized as the basis for this estimate.

If you have any questions, please contact Robert J. Janke at FTS 774-6883.

  
Gerald W. Westerbeck  
Manager

Attachment: As stated

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**FERNALD'S MAIN PRIORITY IS CLEANUP**

bcc w/att.:

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AR File

FERNALD SITE  
SUMMARY  
FACILITY DECOMMISSIONING

6-5-91

FACILITY	DESCRIPTION	ON-SITE DISPOSAL (Millions)
No. 1	Preparation Plant	30
No. 2	Ore Refinery Plant	50
No. 3	Nitric Acid Recovery Plant	50
No. 4	Green Salt Plant	60
No. 5	Metals Production Plant	80
No. 6	Metals Fabricating Plant	100
No. 7	Building 7, Storage	15
No. 8	Recovery Plant	50
No. 9	Special Products Plant	30
No. 10	Boiler Plant	20
No. 11	Service Building	10
No. 12	Mechanical Shop and Storeroom	10
No. 13	Pilot Plant (Wet End)	30
No. 14	Administration Building	10
No. 15	Laboratory Building	20
No. 16A	Main Electrical Substation	5
No. 16B	Distributed Electrical Substations	50
No. 18A	Chemical Feed Building	5
No. 18B	General Sump (Effluent Treatment)	20
No. 18C	Biodenitrification Towers	20
No. 18D	Biodenitrification Surge Lagoon	20
No. 18E	Stormwater Retention Basin	20
No. 18F	Coal Pile Runoff Basin	2
No. 19	Metal Tank Farm	10
No. 20A	Valve/Control Building	2
No. 20B	Filter/Chemical Building	5

No. 20C	Cooling Towers	5	
No. 20D	Elevated Storage Tank - East	1	
No. 20E,F,G	Well Houses	1	
No. 20H	Process Water Storage Tank	2	
No. 20J	Reactivator	1	
No. 22A	Gas Meter Building	1	
No. 22B	Storm Sewer Lift Station	1	
No. 22C	Truck Scale - West	1	
No. 23	Meteorological Tower	0	
	RAILROAD SYSTEM	50	
No. 24A	Railroad Scale House		
No. 24B	Railroad Engine House		
	SANITARY SEWAGE SYSTEM	80	
No. 25A	STP Chlorination Building		
No. 25B	MH 175		
No. 25C	Sewage Lift Station Building		
No. 25D	UV Disinfection Building		
No. 25E	Digester Control Building		
No. 26A	Pump House - HP Fire Protection	1	
No. 26B	Elevated Storage Tank - West	2	
No. 28A	Security Building	2	
No. 28B	Human Resources Building	1	
No. 30A	Chemical Warehouse	10	
No. 30B	Drum Storage Warehouse	2	
No. 31	Engine House/Garage	3	
No. 32	Magnesium Warehouse	1	
No. 34A	K-65 Storage Silo 2	300	4
No. 34B	K-65 Storage Silo 1	300	
No. 35A	Metal Oxide Storage Silo 4	20	

No. 35B	Metal Storage Silo 3	100
No. 37	Pilot Plant Annex	20
No. 38	Propane Storage	1
No. 39A	Incinerator Building	10
No. 39B	Shelter Storage Building	2
No. 39C	Incinerator Sprinkler Riser House	1
	All Trailers	20
No. 44A	Trailer Complex (6 Plex)	
No. 44B	Miscellaneous Trailers	
No. 44C	Trailer Complex (S7 Plex)	
No. 44D	Trailer Complex (N7 Plex)	
No. 44E	Trailer Complex (10 Plex #1)	
No. 44F	Trailer Complex (10 Plex #2)	
No. 44G	Trailer Complex (10 Plex #3)	
No. 45	Rust Offices	10
No. 46	Heavy Equipment Building	2
No. 51	Additional Wastewater Treatment	0
No. 53	Health and Safety Building	5
No. 54	UF6 to UF4 Reduction Facility I	20
No. 55	Slag Recycling Plant - East	20
No. 56	CP Storage Warehouse	2
No. 60	Quonset Hut #1	5
No. 61	Quonset Hut #2	2
No. 62	Quonset Hut #3	2
No. 63	KC-2 Warehouse	5
No. 64	Thorium Warehouse	5
No. 65	Thorium Warehouse	5
No. 66	Drum Reconditioning Building	10
No. 67	Plant 1 Thorium Warehouse	5

No. 68	Pilot Plant Warehouse	5
No. 69	Decontamination Building	50
No. 71	General IP Storage Warehouse	5
No. 72	Drum Storage Building	1
No. 73	Fire Brigade Training Building	1
No. 76	In-Vivo Building	1
No. 77	Finished Product Warehouse	5
No. 78	New D&D Building	50
No. 79	Plant 6 Warehouse	5
No. 80	Plant 8 Warehouse	5
No. 81	Plant 9 Warehouse	5
No. 82	Rcvg/Incmg Matls Inspection Building	2
No. 91	New OU1 Treatment Facility	80
No. 92	New OU2 Treatment Facility	20
No. 93	New OU3 Treatment Facility	80
No. 94	New OU4 Treatment Facility	50
No. 95	New OU5 Treatment Facility	20
	Site Utilities	200
	Total based on 1991 ROM Estimate (1)	<u>2345</u>
	Program Management (2)	469
	Escalation and Contingency (3)	9286
	TOTAL	\$ <u>12100</u>

**ASSUMPTIONS**

- 1) Safe shutdown is complete.  
All inventories have been removed.  
Environmental media is not included.  
Work includes decontamination,  
decommissioning, and preparation for disposal  
on-site.
- 2) Program Management includes planning,  
oversite, and program support activities.
- 3) Escalation is estimated at 305% based on  
activities between FY94 and FY2015 using DOE  
escalation factors.  
Contingency is listed as 25%.